WHAT IS CLAIMED IS:

1	1. A packaging arrangement for a coil of fiberoptic cable which
2	includes a plurality of individual coil loops, comprising:
3	a. an outer packaging tray; and
4	b. a fiberoptic coil carrier which is inserted into the outer packaging
5	tray for shipment or storage, and which can be removed from the tray, wherein the
6	carrier provides increased ease of handling of the fiberoptic coil by retaining it with a
7	plurality of separate retainers along the length of the fiberoptic cable, such that a
8	selected length of the fiberoptic cable can be removed from the carrier and remaining
9	coils of the fiberoptic cable remain secured to the carrier.
1	2. The packaging arrangement of claim 1, wherein the carrier also
2	defines a connector end retainer for retaining a connector end of the fiberoptic cable,
3	and a treatment end retainer for retaining a treatment end of the fiberoptic cable.
1	3. The packaging arrangement of claim 1, wherein the outer packaging
2	tray is sealed with a top closure, wherein the closure-sealed tray provides for
3	sterilization of the carrier/fiberoptic coil assembly in the outer packaging tray.
1	4. The packaging arrangement of claim 1, wherein the carrier is
2	designed and contoured specific to a particular surgical device, and is configured to
3	retain the particular surgical device until it is removed for usage.
1	5. The packaging arrangement of claim 4, wherein the outer packaging
2	tray is generic to a plurality of specific carriers and is not specific to a particular
3	carrier for a particular surgical device, such that it can package a standard fiberoptic
4	coil carrier.

1	6. The packaging arrangement of claim 1, wherein the carrier includes
2	an attachment means for attaching the carrier to a support, such that a surgeon can
3	position the carrier conveniently to require a minimum of handling.
1	7. The packaging arrangement of claim 6, wherein the attachment
2	means comprises a spring clip.
1	8. The packaging arrangement of claim 6, wherein the attachment
2	means comprises an adhesive area.
1	9. The packaging arrangement of claim 1, wherein the carrier is
2	formed from molded plastic, and includes a plurality of molded individual coil loop
3	retainers, each of which retains and secures a single coil loop of the fiberoptic cable,
4	which allows each loop to be individually released to eliminate springing, a molded
5	retainer to retain and secure a distal tip of the fiberoptic cable, and a molded retainer to
6	retain and secure a connector handle of the fiberoptic cable.
1	10. The packaging arrangement of claim 9, wherein each individual
2	coil loop retainer is formed by a molded groove.
1	11. The packaging arrangement of claim 10, wherein each molded
2	groove defines a pair of opposed undercut shoulders which snap around an inserted
3	individual coil loop.
1	12. The packaging arrangement of claim 1, wherein a first recess
2	defines a tip receiver/protector, and a second recess defines a connector handle
3	receiver/protector.

1	13. The packaging arrangement of claim 1, wherein the outer
2	packaging tray comprises a rectangular tray which is thermoformed from plastic, the
3	tray has a bottom surface, sidewalls, and a flange at the top of and extending around
4	the sidewalls, and the bottom surface is generally flat with shaped relief areas defining
5	one or more depressions to receive a shaped fiberoptic coil carrier.

- 14. The packaging arrangement of claim 13, wherein the relief areas
 2 accommodate larger components of the fiberoptic cable such as the connector handle,
 3 and also provide sufficient room and clearance to allow fingers to grasp and remove
 4 the carrier, and wherein the carrier and fiberoptic coils are supported by intermediate5 height plateau surfaces, with the relief areas being positioned below the plateau
 6 surfaces.
- 1 15. The packaging arrangement of claim 14, wherein raised studs rise 2 above the plateau surfaces to maintain the carrier and fiberoptic coil in position within 3 the tray, and also provide support for a top closure lid which is sealed to a flange 4 extending around the upper perimeter of the sidewalls.
- 1 16. The packaging arrangement of claim 15, wherein at least one 2 flange corner is recessed to provide an unsealed corner piece of the top closure lid 3 which is suitable for grasping to pry the lid away from the tray.
- 1 17. The packaging arrangement of claim 15, wherein the carrier is 2 generally flat, and is thermoformed from plastic, and the carrier has an exterior profile 3 and shape to fit within the sidewalls and studs and on top of the plateau surfaces of the 4 tray.

1	18. The packaging arrangement of claim 13, wherein the carrier has an
2	I shape.
1	19. The packaging arrangement of claim 13, wherein the carrier has a
2	Y shape.
1	20. The packaging arrangement of claim 1, wherein the top of the
2	carrier defines a plurality of molded individual coil retainer undercut grooves, an end
3	tip receiver/protector undercut groove, and a connector handle receiver/protector
4	which defines an undercut depression surrounded by raised ridges to retain the
5	connector handle therein.
1	21. The packaging arrangement of claim 1, wherein a connector end of
2	the fiberoptic cable is seated in a top portion of the carrier in a recess which is shaped
3	to match the profile of the connector, two opposed thermoformed posts have a
4	negative profile to match a circular barrel of the connector to retain the connector
5	barrel in place therein, the carrier retains individual fiberoptic coils with multiple
6	snap-fit recesses, and one recess has a larger size to secure therein a tip protector at the
7	treatment end of the fiberoptic cable.
1	22. The packaging arrangement of claim 22, wherein each snap-fit
2	recess is defined by a series of three offsets which have a profile to match the profile
3	of a fiberoptic cable.
4	23. A method of packaging a coil of fiberoptic cable which includes a
5	plurality of individual coil loops, comprising:
6	a. mounting the fiberoptic coil on a fiberoptic coil carrier which secures
7	the fiberoptic coil to the carrier with a plurality of separate retainers along the length

- 8 of the fiberoptic cable, such that a selected length of the fiberoptic cable can be 9 removed from the carrier and remaining coils of the fiberoptic cable remain secured to 10 the carrier: 11 b. packaging the fiberoptic coil carrier with the fiberoptic coil mounted 12 thereon in an outer packaging tray. 1 24. The method of claim 23, further including securing a connector 2 end of the fiberoptic cable to the carrier with a connector end retainer on the carrier, 3 and securing a treatment end of the fiberoptic cable to the carrier with a treatment end 4 retainer on the carrier. 1 25. The method of claim 23, further including sealing the outer 2 packaging tray with a top closure, and sterilizing the carrier/fiberoptic coil assembly in 3 the closure-sealed outer packaging tray. 1 26. The method of claim 23, including designing and contouring the 2 carrier to be specific to a particular surgical device, and designing and contouring the 3 outer packaging tray to be generic to a plurality of specific carriers, such that the outer 4 packaging tray can package a standard fiberoptic coil carrier. 1 27. The method of claim 23, including securing the fiberoptic coil to 2 the carrier with a plurality of individual coil loop retainers which are molded in the 3 carrier, each of which retains and secures a single coil loop of the fiberoptic coil, 4 which allows each individual coil loop to be individually released from the carrier.
- 28. The method of claim 27, including securing each individual coil loop in a molded groove on the carrier.

1	29. The method of claim 27, including securing each individual coil in
2	a molded groove on the carrier defined by a pair of opposed undercut shoulders which
3	snap around an inserted individual coil loop.
1	30. The method of claim 27, including securing a treatment end of the
2	fiberoptic cable in a first molded recess in the carrier defining a treatment end
3	receiver/protector, and securing a connector end of the fiberoptic cable in a second
4	recess in the carrier defining a connector end receiver/protector.
1	31. The method of claim 23, including packaging the fiberoptic carrier
2	in a rectangular outer packaging tray which has a bottom surface, sidewalls, and a top
3	flange extending around the sidewalls, wherein the bottom surface is generally flat
4	with shaped relief areas defining one or more depressions to receive and support the
5	fiberoptic coil carrier.
1	32. The method of claim 31, including supporting the carrier and
2	fiberoptic coil on intermediate-height plateau surfaces positioned above the relief
3	areas.
1	33. The method of claim 32, including maintaining the carrier and
2	fiberoptic coil in position within the tray by raised studs which rise above the plateau
3	surfaces.
4	34. The method of claim 31, including sealing a top closure lid to the
5	ton flange